BRUHATH BANGALORE MAHANAGARA PALIKE

Name of the Work : Improvements to Roads,drains,footbath and park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)

Name of the Agency: Sri.Pramodh M/s Karthik Enterprises

REPORT FOR
EXECUTIVE ENGINEER,
BYATARAYANAPURA DIVISION
BBMP, BANGALORE.

PROJECT MANAGEMENT CONSULTANTS

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

Name of the work: Improvements to Roads,drains,footpath and park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)

Contractor/Agency	: Sri.Pramodh M/s Karthik Enterprises
Name of the Client	: Executive Engineer, Byatarayanapura Division BBMP, Bangalore.
Estimated Cost	: Rs 1010 lakhs
Status of Bill	: 1st RA Bill
In the Presence of	: (a) Mohammed Liyaqut Ali Assistant Engineer, BBMP, Bangalore. : (b) H. Ranganath Assistant Executive Engineer, BBMP, Bangalore : (b) Mr. Mahesh, Site Engineer M/s Tejus Consultants : (c) B.B.Umesh, Bangalore.

SL. No	Description of the Item	Comments/observation
1.	KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20	Work done up to the billed quantity and quantity is satisfactory
2.	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3)	Work done up to the billed quantity and quantity is satisfactory
3	Removing & Resetting of Footbath slab	Work done up to the billed quantity and quantity is satisfactory
4	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3	Work done up to the billed quantity and quantity is satisfactory
5	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.	Work done up to the billed quantity and quantity is satisfactory

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6	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200.	Work done up to the billed quantity and quantity is satisfactory
7	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.	Work done up to the billed quantity and quantity is satisfactory
8	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2	Work done up to the billed quantity and quantity is satisfactory
9	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams.	Work done up to the billed quantity and quantity is satisfactory
10	KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Work done up to the billed quantity and quantity is satisfactory
11	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick	Work done up to the billed quantity and quantity is satisfactory
12	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications, (only chamfered length shall be recorded) KBS 5.1.	Work done up to the billed quantity and quantity is satisfactory
13	Providing One line dressing to granite stone slab/ granite stone masonry as per speciication	Work done up to the billed quantity and quantity is satisfactory
14	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Work done up to the billed quantity and quantity is satisfactory
15	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Work done up to the billed quantity and quantity is satisfactory
16	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm	Work done up to the billed quantity and quantity is satisfactory

	respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete	
17	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301	Work done up to the billed quantity and quantity is satisfactory
18	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406	Work done up to the billed quantity and quantity is satisfactory

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of the Work : Improvements to Roads,drains,footpath and park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)

BYATARAYANAPURA DIVISION

1st PART BILL

TEST REPORTS

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
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1st Stage, Basaveshwaranagar
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No. TC / BBMP / BYT PURA DIVISION/ 081 / 17 – 18

To
The Executive Engineer
Byatarayanapura Divison
Bruhat Bangalore Mahanagara Palike
Bangalore – 560 092

Date:

Dear Sir

Sub: **First RA bill for the work of Improvements to Roads,drains,footpath and park in ward no.08,Bytarayanapura Division (Package includes 11 Works of Rs 1010 lakhs)**

In reference to the above subject, this is to bring to your kind notice that we have scrutinized the **First RA bill** submitted by Sri.Pramodh M/s Karthik Enterprises, No. 123, Aiswaraya, 3rd Cross, Ramannaa Garden, Vidyaranyapura, Bangalore - 97, towards the above said work and arrived at an amount of **Rs. 15086383.64 (Rupees One Crore Fifty Lakh Eighty Six Thousand Three hundred and Eighty Three point six Four paise only**). The work has been completed satisfactorily.

This is for your kind information.

Thank you and assuring you the best of our Services at all the times

TEJUS CONSULTANTS

For Tejus Consultants
(Nischal M)

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23287532, tejusconsultants@gmail.com

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Test Report on Cement

Project	Improvements to Road,Drain and Footpath in LKR nagara main road and cross roads in ward No.8 Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.Pramodh M/s Karthik Enterprises
Location:	LKR Nagar Main Road
Sample ID	Cement
Date of Sample Tested	16/10/2017
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	34 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	320 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	2mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	

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Location:	LKR Nagar Main Road
Sample ID	Cement
Date of Sample Tested	16/10/2017
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	36 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	338 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	3mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	

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Bangalore

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Improvements to Road,Drain and Footpath in LKR nagara main road and cross roads in ward No.8 Kodigehalli	
Consultants	TEJUS CONSULTANTS	
Contractor	Sri.Pramodh M/s Karthik Enterprises	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	Drain	
Sample Location	Plant		Date of Sampling	16/10/2017	
			Date of Testing	16/10/2017	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	582	582	5.82	94.18	90-100
10.0	3140	3722	37.22	62.78	40-85
4.75	6008	9730	97.30	2.70	0-10
Pan	270	10000			

Remarks : Satisfactory / Not Satisfactory

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Consultant's Representative

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Improvements to Road,Drain and Footpath in LKR nagara main road and cross roads in ward No.8 Kodigehalli	
Consultants	TEJUS CONSULTANTS	
Contractor	Sri.Pramodh M/s Karthik Enterprises	
Total Weight:	8600	gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	Drain	
Sample Location	Plant		Date of Sampling	16/10/2017	
			Date of Testing	16/10/2017	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	367	367	4.27	95.73	90-100
10.0	2456	2823	32.83	67.17	40-85
4.75	5638	8461	98.38	1.62	0-10
Pan	139	8600			

Remarks : Satisfactory / Not Satisfactory

Consultant's Representative

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Remarks :	Satisfactory / Not Satisfactory

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